

Environment Element

Current Goal/Policy Number	New Goal/Policy Number	Proposed New Goal or Policy for the Environment Element	Notes
Overall Approach			
	Discussion	<p><u>Discussion: Environmental stewardship is a core value and a fundamental principle guiding how the City accommodates growth and provides services. It is not a separate goal that is considered as outside of, or as an add-on to, the other goals of the Comprehensive Plan. As such, protecting and enhancing the environment is an integral part of all the elements of the plan. This element of the Comprehensive Plan articulates the City’s overarching environmental goals and includes those policies that either cut across many elements and therefore warrant separate mention or do not fit easily into another element.</u></p> <p><del>Discussion: The City plays many different roles in preserving, protecting and enhancing the natural and built environments. First, the City can lead by example, by running its operations in a more environmentally responsible manner.</del></p> <p><del>Second, the City can act as an educator, promoting knowledge and awareness of personal choices and decisions’ impacts on the environment.</del></p> <p><del>Third, the City can act as an advocate in regional, state and national arenas to promote sound environmental protection.</del></p> <p><del>Fourth, the City can act as a regulator, effectively implementing and enforcing appropriate legal or regulatory requirements, such as through land use and building codes.</del></p> <p><del>Finally, the City can act as a catalyst for businesses and individuals to improve the environmental outcomes of their activities, by providing technical assistance and incentives for actions that contribute to the City’s environmental goals.</del></p> <p><del>Because this Plan identifies environmental stewardship as one of the City’s core</del></p>	<p>New discussion describes the broader level of discussion in the rewritten element.</p> <p>The rewritten element seeks to provide overarching environmental goals and policies that cut across many elements of the plan..</p>

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		<del>values, the goals and policies in the Land Use, Transportation, Utilities, Housing and Neighborhood Planning elements are at least partially directed at finding environmentally sustainable approaches to growth management in the topics they address. This Environmental Element augments the other elements of this plan by focusing on roles the City can play to protect the environment, beyond what it addresses in those other elements.</del>	
	EG1	<u>Protect and enhance the quality and function of our air, land, and water resources through clear policies and regulations, capital improvements, operations and education programs.</u>	Describes the scope of the City's actions in support of meeting the City's environmental goals.
EG9		<del>Promote policies to reduce water quality degradation from landscaping, animal waste, construction, and industrial sites.</del>	Addressed in new EG1 and E3 and in LU307
EG16		<del>Where suitable habitat potential exists, work to maintain and enhance Seattle's urban forests and wildlife habitats and the plants and animals native to the region.</del>	Addressed in EG1, E3, E4, E5, LG47, LG 73 LU274, LU279, LU284, LU285, LU306, LU309
EG17		<del>Protect the habitat of native and migratory wildlife by encouraging open space conservation and beneficial habitat and providing for the growth of native species of trees and other native vegetation.</del>	Addressed in EG1, E3, E4, E5, LG47, LG 73 LU274, LU279, LU284, LU285, LU306, LU309, LU311 – plus countless references to open space
	EG2	<u>Build on and reinforce the links between the environmental, social, public health and economic aspects of City planning, regulations, service delivery and operations.</u>	Recognizes the interconnections between the City's diverse activities.
	EG3	<u>Prevent waste and pollution and increase recycling among all sectors of the community and within City government.</u>	Incorporates ideas in the old EG2 and EG3.
EG2		<del>Reduce pollution at the source.</del>	See new EG3

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EG9			
	EG4	<u>Promote conservation of energy, water and material resources among all sectors of the community and within City government.</u>	Provides more detail than old EG3
EG3		<del>Reduce consumption of resources.</del>	See new EG4
	EG5	<u>Protect and enhance the wide range of functions that natural systems can perform, such as cleaning air and water. Use natural systems as alternatives to costly engineered solutions (e.g. storm water drainage systems) to maintain environmental quality.</u>	Introduces the concept of “ecosystem services” as valuable aspects of the natural environment that can provide a foundation for the City’s future infrastructure planning.
EG18		<del>Involve citizens, community groups, and nonprofit organizations in the care and enhancement of the urban forests and wildlife habitat.</del>	Addressed in E5, LU42, LU43
EG19		<del>Strive to achieve a net increase of healthy, diverse tree cover throughout the city.</del>	Addressed in E5, LU41, LU42, LU43
EG20		<del>Seek to protect and retain trees and groups of trees of significant historical, cultural, horticultural, environmental, and aesthetic value in order to enhance Seattle’s character and protect Seattle’s natural heritage.</del>	Addressed in E5, LU41, LU42, LU43
E28		<del>Encourage the preservation and maintenance of existing natural habitat in areas on private property undergoing development, both on land and in water, and consider mitigation requirements if damage is unavoidable.</del>	Addressed in EG1, E3, E4, E5, LG47, LG 73 LU274, LU279, LU284, LU285, LU291, LU309, LU311
E29		<del>Strive to actively manage the forested areas within Seattle’s parks, acquired open spaces, and rights-of-way as the first priority in urban forest maintenance and enhancement efforts.</del>	Addressed in E5, LU41, LU42

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E30		<del>On City property, protect selected trees, utilize proper pruning and tree care, and improve conditions in order to achieve long-term benefits from the urban forest and encourage private landowners to do the same.</del>	Addressed in E5, LU43
	EG6	<u>Reduce emission of greenhouse gases to minimize the impact of climate change globally and locally.</u>	Provides more detail than old EG21
EG21		<del>Strive to reduce greenhouse gas emissions from all sources.</del>	Addressed in EG6, E8
	EG7	<u>Reduce the impacts of noise, odor, and light which can negatively impact the livability of the diverse urban environment.</u>	Broadens discussion previously in old EG22 and 23 beyond noise.
EG22		<del>Improve the City's ability to respond to and control sources of noise pollution in Seattle and mitigate its impacts.</del>	Addressed in EG7
EG23		<del>Strive to reduce the overall level of ambient noise pollution in Seattle.</del>	Addressed in EG7
	EG8	<u>Recognize that a healthy environment is central to the City's economic development as a key competitive advantage in attracting and retaining family wage jobs and workers.</u>	Acknowledges the links between Seattle's environment and its economic health.
	E1	<u>Consider natural systems and the built infrastructure as linked systems. Strive to leverage and reduce investment in built infrastructure by seeking opportunities to incorporate the services and functions that a healthy ecosystem provides, such as cleaning air and water.</u>	Provides direction on incorporating ecosystem services into development.

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	E2	<u>Through land use, transportation, neighborhood and economic development planning and projects, seek to meet mobility needs in ways that reduce the impacts of transportation on air quality and climate-change as well as water pollution and the consumption of fossil fuels.</u>	Provides direction on aspects of the environment to consider when planning for transportation. Incorporates old E16
E16		<del>Support regional growth management activities that help reduce automobile use and other sources of water pollution.</del>	The urban village, land use and transportation elements all encourage the density and mix of land uses that reduces car dependency and encourages transit use.  Already addressed in LG26, LU128, LU146, TX1A, T1 and T2 and in new policy E2.
	E3	<u>Promote sustainable management of public and private open spaces and landscaping, such as by preserving or planting native and naturalized vegetation, removing invasive plants, protecting and enhancing wildlife habitat, engaging the community in stewardship activities and using integrated pest management. .</u>	Incorporates aspects of E27, E28
E27		<del>On city property, both on land and in water, cultivate native ecosystems that encourage native wildlife and encourage replacement of invasive, non-native vegetation. Native ecosystems are more diverse and therefore more resilient to insects, disease, and climate changes.</del>	Addressed in EG1, E3, E4, E5, LG47, LG 73 LU274, LU279, LU284, LU285, LU291
E20		<del>Seek to limit the use of pesticides and herbicides on City-owned property, which can result in polluted stormwater run-off, and provide education and incentives for other land owners to do the same.</del>	Addressed in E3 and should be considered for inclusion in Utilities Element
	E4	<u>Strive to maximize the amount of pervious surfaces and vegetative cover in the city. Take advantage of the ability of pervious surfaces and vegetative cover to mitigate the heat island effect of developed areas and to increase water infiltration which reduces storm water quantity and pollution.</u>	Former EG8

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EG 8		<del>Strive to increase the amount of total pervious surface and vegetative cover in the city, to promote groundwater replenishment where desirable and decrease surface water runoff and the pollution it collects from roads, rooftops and sidewalks.</del>	Addressed in new policy E4, LU102
	E5	<u>Work to achieve a sustainable urban forest that contains a diverse mix of tree species and ages and that creates a healthy ecosystem valued and cared for by the City and its citizens. Recognize and educate the public about the values of a healthy urban forest including reducing storm water runoff and pollution, absorbing air pollutants, providing wildlife habitat, absorbing carbon dioxide (a greenhouse gas), providing shade, stabilizing soil, and increasing property values.</u>	Expands on E29, Incorporates ideas in E32 through E34
E32		<del>As feasible, when resolving infrastructure conflicts, fully consider the significant value of trees (as components of wildlife habitat, beneficial to open space enjoyment, stabilizers of soil, and mitigators of the greenhouse effect). Select and plant appropriate tree species on public rights-of-way that maximize planting benefits while protecting the safety of residents.</del>	See new E5
E33		<del>Maintain the health of natural habitats on private property through a combination of education, incentives and development review practices.</del>	See new E5 and E6
E34		<del>Encourage stewardship practices among Seattle's residents and City personnel through education, training, and continued volunteer participation in the care of Seattle's plant and wildlife habitats.</del>	See new E5 and E6
	E6	<u>Create partnerships with organizations in the private and nonprofit sectors and engage the community to protect and enhance Seattle's urban ecosystems and habitat.</u>	Incorporates ideas from E33 and E34

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E36		<del>Consider best available science in making decisions regarding habitat preservation and restoration efforts.</del>	See E5, and Land Use element's critical areas policies.
	E7	<u>Promote public and private opportunities to improve water quality and restore habitat in the City's creeks, lakes, shorelines, Duwamish and Puget Sound so that they are healthy for aquatic resources and people.</u>	New concept, builds on work currently underway in the City.
EG9		<del>Promote policies to reduce water quality degradation from landscaping, animal waste, construction and industrial sites.</del>	See new EG3, E6
	E8	<u>Promote the efficient use and conservation of electricity, water and material resources by residential, commercial, industrial and institutional customers, as well as City government, through education, technical assistance, financial incentives, and regulations.</u>	Summarizes current goals EG11-EG14 and policies E22-E26.
EG13		<del>Reduce unnecessary consumption of natural and manufactured resources for City operations, through the City's purchasing policies and employee actions.</del>	More of a policy to guide City actions than a goal. Incorporated into E7 and E9
E25		<del>Lead by example in implementing energy and water conservation measures, including the use of renewable sources of energy, in City operations.</del>	Incorporated into E7
	E9	<u>Work with private and public sector partners to reduce climate-changing greenhouse gas emissions from private and public sources to minimize the impacts of global warming on our water and energy supply, ecosystems, public health and the economy.</u>	Summarizes current goal EG21 and policies E37-E40.
E40		<del>Assess and work to reduce the greenhouse gas emissions associated with the City's capital and operational decisions, such as construction and operation of buildings, fleet management and purchasing decisions.</del>	Addressed in EG6, EE8

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	E10	<u>In the City's roles as regulator, service provider, large business and employer, consider environmental, social and economic costs, risks, benefits, and impacts, from a life cycle perspective. This includes consideration of potential adverse health or environmental harm when making planning, contracting, purchasing and operating decisions.</u>	Summarizes current policies E1 to E6.
E1		<del>In managing City government operations take reasonable steps to reduce impacts to the environment and ecosystems upon which we depend.</del>	See new policy E9.
E2		<del>Strive to meet or exceed environmental targets that represent performance beyond regulatory compliance.</del>	See new policy E9.
E3		<del>Consider the environmental and economic costs, risks, benefits, and impact, from a life cycle perspective (including suppliers' commitment to product stewardship and pollution prevention), when making planning, contracting, purchasing, and operating decisions.</del>	See <u>current</u> Capital Facilities Element policy CF23.
E4		<del>Explore options to provide incentives to companies and facilities locating in Seattle and recognize existing companies and facilities that follow effective pollution prevention and product stewardship practices.</del>	Incorporated into Utilities policy U7.
E5		<del>Seek to minimize the quantity and toxicity of materials used and waste generated from City facilities and operations through source reduction, reuse, and recycling.</del>	See new policy E11
E6		<del>Strive to design, construct, and operate City facilities to limit environmental impacts, such as by incorporating energy efficiency, water conservation, waste minimization, pollution prevention, or resource-efficient materials throughout a facility's life.</del>	See Capital Facilities Element Policies CF19- CF24
	E11	<u>Strive to continuously improve the City's environmental performance in operations including reducing resource and toxics use, preventing pollution, minimizing waste, and protecting natural areas and biodiversity. To achieve this improvement, seek the</u>	Provides a foundation for work to improve the environment within the City government. Summarizes existing policies E5 and E77 to E10, and goal EG4



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		<u>commitment of employees, set targets, utilize innovative approaches, monitor and report on performance, engage management in addressing performance short of targets, and coordinate with other government entities.</u>	
EG4		<del>Continually improve the City's achievement of environmental goals.</del>	See new policy E11
E7		<del>Seek the commitment of all employees to environmental stewardship through communication, training, and support for employee leadership.</del>	See new policy E11
E8		<del>Involve Seattle citizens in improving environmental performance in City operations. Report to the public on the City's environmental goals and achievements and seek citizen input on ways to improve environmental performance.</del>	See new policy E11
E9		<del>Strive for cooperative relationships with regulatory agencies and tribal governments to promote environmental stewardship.</del>	See new policy E11
E10		<del>Use, where feasible, new technologies that demonstrate ways to reduce environmental impacts.</del>	See new policy E11
A.		<b>City Government Operations</b>	
Discussion		<del>Discussion: As a large employer and as a provider of a wide array of services, the City of Seattle has many opportunities to conduct its operations in an environmentally responsible and sustainable manner. For instance, in its day-to-day operations the City delivers power and water directly to consumers, provides fleet services to City employees and maintains parks for the enjoyment of many residents and visitors. In carrying out these operations, the City can make choices that favor improvements in air and water quality and noise levels, conserve resources, preserve and enhance wildlife habitat, and minimize greenhouse gas emissions. The following principles elaborate on this concept and describe how the City should conduct its business in</del>	With a shorter, more streamlined element, less discussion is warranted

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		<del>compliance with environmental laws and regulations and in demonstrating improved environmental performance.</del>	
EG1		<del>Comply with regulations that govern protection of the environment.</del>	Not needed, having this policy implies that the City wouldn't otherwise comply with regulations.
<b>B</b>		<b>Air Quality</b>	
		<del>Discussion: Gasoline and diesel-powered vehicles and equipment are the largest source of air pollution in Seattle. Air pollution also contributes to water pollution when it rains and rainwater runs off into water bodies. The City can take a lead role in encouraging other modes of transport by using more efficient vehicles and alternative-fueled vehicles in its own fleet and by promoting transit use among its employees with transit subsidies and restrictive parking policies. While the city is not the regulator of automobile emissions, the City can encourage alternatives to gasoline powered automobile transportation by promoting improvements to the public transit system, increasing incentives for car-pooling, bicycling and walking, and by limiting the amount of parking that may be included in some new developments. The City can advocate with King County/Metro and Sound Transit in designing public transportation systems and stations that help maximize the use of such systems.</del>	With a shorter, more streamlined element, less discussion is warranted
EG5		<del>Strive to reduce air pollution from all sources, including transportation, wood burning and industrial activities through appropriate land use and transportation policies.</del>	Already addressed in T1, T3, TG2 and LU48, LU51, LU55  The urban village, land use and transportation elements all encourage the density and mix of land uses that reduces car dependency and encourages transit use.
E11		<del>Support regional growth management activities that help reduce the need for automobile transportation and related air pollution.</del>	See above and already addressed in Transportation element TG2, T1, TG4, 5, and LG9

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E12		<del>Promote clean burning, alternative-fueled vehicles for use by large fleet operators, transit operators, and the public as a way of reducing impacts on air quality.</del>	Already addressed in T2
E13		<del>Cooperate with local and state agencies to identify, regulate, and mitigate air pollution from industrial sources and area sources such as wood burning, construction dust and road dust.</del>	Already addressed in LU48
E14	U9a	Seek options for eliminating the purchase of fossil-fuel burning sources of electric power by City Light, such as through purchase of wind or geo-thermally produced power or using conservation strategies.	Move to Utilities Element, specific to a particular utility
E15	CF20a	Strive to ensure beneficial indoor environmental quality (which can increase health, welfare and productivity of workers or residents) in all renovations and new construction of City-owned facilities and promote design conditions that enhance beneficial indoor environmental quality in private construction.	Move to Capital Facilities element, more related to the issues discussed in that element.
<b>C</b>		<b>Water Quality</b>	
Discussion		<p><del>Seattle has an apparent abundance of water — large and small lakes, creeks, waterways and Puget Sound. Human activity in and near these waterbodies can affect the quality of the water. A variety of regulations and physical improvements have been put in place to limit negative impacts on water quality. Sources of water pollution that the City can have some impact on include stormwater from several non-point sources — automobile emissions, animal waste, rooftops, chemicals and sediment from landscaping and lawns, construction and industrial site run-off, and smaller discharges into storm drains, including their use for improper disposal of used oil and chemicals.</del></p> <p><del>Two-thirds of Seattle's stormwater drains directly into the nearest creek, lake, or bay (City of Seattle Stormwater Management Program, 1997). The other third goes into</del></p>	With a shorter, more streamlined element, less discussion is warranted

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		<p><del>the wastewater collection and disposal system, where it is mixed with sewage and either goes to one of four treatment plants (and then into Puget Sound), or is discharged during overflow capacity rainfall events directly into surface waters (called combined sewer overflows or CSOs)</del></p> <p><del>Most of the sewage in Seattle is piped from households, businesses and industrial facilities to the treatment plant at West Point where it is treated and released into Puget Sound. That treatment plant is maintained by King County, and the discharge from the plant is regulated under a state-issued National Pollutant Discharge Elimination System (NPDES) permit. In some parts of the city, sewage is carried in the same pipes that carry stormwater runoff, and during periods of rainfall when the system's capacity is overloaded, certain of these pipes discharge directly into receiving waters without treatment at West Point or another facility.</del></p>	
EG6		<del>Work to maintain or improve water quality, through appropriate land use and transportation policies.</del>	Addressed in LG4, LU272-275 Transportation aspect already addressed in T1, TG2, TX1A
EG7		<del>Reduce transportation-related water quality degradation by promoting less polluting transportation alternatives.</del>	The urban village, land use and transportation elements all encourage the density and mix of land uses that reduces car dependency and encourages transit use.  Already addressed in LG26, LU128, LU146, TX1A, T1 and T2 and in new policy E2.
EG10		<del>Strive to minimize the number and extent of combined sewer overflow events occurring annually in the City.</del>	Already addressed in U11
E17	U10a	Work regionally to improve programs and management strategies designed to prevent and reduce contamination of street runoff and storm water from all sources.	Move to Utilities element, more specific to a particular utility.

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E18		<del>Continue to work with King County and other appropriate agencies to make reasonable efforts to control CSO events and thereby reduce the untreated wastewater being released to surface waters.</del>	Already addressed in U12
E19	U10b	Work with businesses and the community to provide education about the importance and methods of controlling the release of contaminants into storm drains.	Move to Utilities element, more specific to a particular utility.
E21	U12a	Cooperate and coordinate with state and federal agencies to the extent possible to minimize illegal discharges into water by both permitted and non-permitted sources.	Move to Utilities element, more specific to a particular utility.
<b>D</b>		<b>Conservation of Natural Resources</b>	
Discussion		<p><del>Consumption of resources by Seattleites for food, recreation, work, building, and daily living has a significant impact on the environment both locally and around the world. One of the best ways to have a positive impact on the environment is to reduce consumption. The City has been a leader through its internal purchasing practices (such as double-sided copying machines which reduce paper use and reducing energy demand by practicing energy conservation in its buildings), as well as through its educational efforts with the public. City Government demand for recycled products, alternative sources of energy and other environmentally sustainable products also helps to increase the demand for these products, making their long-term success in the marketplace more achievable.</del></p> <p><del>At the other end of the consumption chain, the City faces the need to dispose properly of millions of tons of packaging and products each year. The City's reuse and recycling programs ensure that many types of packaging can be reused or recycled, thus reducing the strain on natural systems caused by producing and disposing of more products.</del></p> <p><del>In addition, as the population of the City and region grows we face increasing demands on water, energy and other resources. To continue to meet the energy and</del></p>	With a shorter, more streamlined element, less discussion is warranted

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		<del>water needs of both the current and future population, the City will have to either lower demand through various conservation measures, or increase water and energy supply, or a combination of both. Benefits from energy conservation include reductions in greenhouse gas emissions, additional water in rivers for wildlife and other uses, and reduction in other types of pollution generated by coal sources, which minimally supply the City from our regional electric grid. Indirect benefits of water conservation include energy savings, wastewater reductions, and enhanced wildlife habitat. Water conservation savings' potential is the greatest from residential use (toilets, showers, clothes washers, landscape and lawn watering). Similarly, if solid waste continues to increase as a percentage of the solid waste stream, the City will have to encourage decreased consumption, create and continue effective reuse and recycling programs, or, as a last resort, find new landfill space.</del>	
EG11		<del>Seek to maximize the efficiency of water use while assuring adequate supply during peak demand times.</del>	Already addressed in UG1, UG2 and UG3
EG12		<del>Seek to maximize the efficiency of energy use while assuring an adequate supply during peak demand times.</del>	Already addressed in UG1, UG2 and UG3
EG14		<del>Enhance the reuse and recycling of product wastes through effective reuse and recycling policies and programs.</del>	Already addressed in U10
E22		<del>Promote water conservation through programs and projects for the City's residential, commercial and wholesale water customers.</del>	Amend utilities policy U7 to incorporate this idea
E23		<del>In conjunction with water conservation measures, develop new water supply capacity as necessary to meet the City's water needs.</del>	Already addressed in U9 and U1
E24		<del>Promote energy conservation through programs and projects for residential, commercial, and wholesale City customers.</del>	Amend utilities policy U7 to incorporate this idea

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E26		<del>Use education, incentives and increased availability of recycling options to promote reuse and recycling of used or waste materials by residents, businesses and City employees.</del>	Amend utilities policy U10 to incorporate this idea.
E		<b>Protection of Urban Forests and Wildlife Habitat</b>	
EG15		<del>Consistent with the overall goals of the Growth Management Act, support the preservation of regional habitat and bio-diversity with land use patterns that encourage growth within the city rather than in undeveloped areas.</del>	No need to restate the Growth Management Act's goals
E31		<del>Foster cooperation between City departments to address conflicting values regarding tree-related issues on City-owned properties and rights-of-way, and coordinate with other governments and agencies to promote the health of the urban forest ecosystem within the City of Seattle.</del>	Not appropriate for Comprehensive Plan – idea is included in the Urban Forest Strategic Plan element
F		<b>Reduction of Greenhouse Gas Emissions</b>	
Discussion		<p><del>The City has adopted policies and implemented programs to address climate change caused by greenhouse gas emissions. Global climate change can have long-term varying climatic and economic effects on our region, including drought, flooding, and a decrease in stream flows with resulting impacts on homes and livelihoods. Automobile emissions are one of the greatest sources of greenhouse gases in our region. As Seattle's population has increased, the number of vehicle miles traveled has increased at a disproportionately higher rate, which means that each individual is driving more miles per day than ever before. Individual actions, including mode of transportation, vehicle selection and fuel choice, are very important in curbing greenhouse gas emissions.</del></p> <p><del>Nationwide, the burning of fossil fuels to generate electricity is responsible for a large share of greenhouse gas emissions. Seattle's electric power is generated largely from</del></p>	With a shorter, more streamlined element, less discussion is warranted

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		<del>hydro-electric dams. Depending on demand and generating capacity, City Light both sells hydro-electric power and purchases electricity generated from fossil-fuel powered sources. Electricity conservation in Seattle can reduce greenhouse gas emissions throughout the Western United States by making more hydro-generated electricity available and reducing demand for fossil fuel generated electricity.</del>	
E37	U9b	In meeting the demand for electric power, strive for no net increase in City contributions to greenhouse gas emissions by relying first on energy efficiency, second on renewable resources, and, when fossil fuel use is necessary, taking actions that offset the release of greenhouse gases such as planting trees or using alternative fuel vehicles.	Move to Utilities element, more specific to a particular utility.
E38		<del>Promote the use of alternative fuels in vehicles and equipment by the City, transit operators, fleet operators, and the public.</del>	Revise T2 to more broadly address this
E39	TX	Work to reduce emissions of greenhouse gases from transportation by encouraging the use of non-automotive transportation by city employees and the public and measures that reduce vehicle miles traveled.	Move to the Transportation Element
<b>G</b>		<b><del>Reduction of Noise Pollution</del></b>	
Discussion		<del>In Seattle, the most commonly cited sources of noise pollution are airplanes, street and highway traffic, construction, street repair and trains. Other sources cited include car stereos, motorcycles, barking dogs, car and house alarms, sirens, loud parties, taverns, seaplanes, helicopters and motorboats. As we increase population density in our urban villages and change the patterns of use in some areas, controlling noise while still promoting a variety of activities and personal choices becomes more challenging. Planning and policies for land use, transportation and environmental protection should seek to reduce excessive noise.</del>	With a shorter, more streamlined element, less discussion is warranted



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E41		<del>Promote actions, such as equipment modifications and operational limits, that reduce noise from transportation modes, construction sites, industrial uses, and commercial business establishments.</del>	Noise is addressed in LG18, LU38, LU46, LU47, LU66, LU71 LU102 LU141, LU147,LU203, TG1, T5, T9
E42		<del>Promote actions, such as sound attenuating surfaces and reductions in traffic speed, by the City and other agencies that reduce noise impacts of freeways and arterials within the city.</del>	See T9
E43		<del>Work with appropriate agencies to reduce noise impacts from aviation within the City of Seattle.</del>	See T9
E44		<del>Consider a mix of uses in urban developments and promote uses that reduce excessive noise and its effects on public health and safety in urban village areas.</del>	See Land Use Element
E45		<del>In City operations, reduce or eliminate, where possible, the use of noise polluting equipment and provide education and incentives for others to do the same.</del>	
E46		<del>Work with businesses and the community to provide education about the impacts of noise pollution on health and our quality of life.</del>	
E47		<del>Support the use of technologies and engineering practices to attenuate noise produced by traffic, aircraft, construction, and commercial and industrial facilities located near residential areas.</del>	See T9

**Amendments to other elements necessitated by changes to the Environment Element**

**Capital Facilities Element**

New Policy

- CF20a Strive to ensure beneficial indoor environmental quality (which can increase health, welfare and productivity of ~~workers or residents~~ occupants) in all renovations and new construction of City-owned facilities and promote design conditions that enhance beneficial indoor environmental quality in private construction. (Existing E15)

**Utilities Element**

Amendments to existing policies

- U7 Promote environmental stewardship in meeting City utility needs and promote ~~encourage~~ the efficient use of water and energy resources by utility customers through education, technical assistance and financial incentives.
- U10 Encourage waste reduction and cost-effective reuse and recycling by residents, businesses and City employees through appropriate policies and programs education, incentives and increased availability of recycling options.

New policies

- U9a Seek options for eliminating the purchase of fossil-fuel burning sources of electric power by City Light, such as through purchase of wind or geo-thermally produced power or using conservation strategies. (existing E14)
- U9b In meeting the demand for electric power, strive for no net increase in City contributions to greenhouse gas emissions by relying first on energy efficiency, second on renewable resources, and, when fossil fuel use is necessary, taking actions that offset the release of greenhouse gases such as planting trees or using alternative fuel vehicles. (existing E37)
- U10a Work regionally to improve programs and management strategies designed to prevent and reduce contamination of street runoff and storm water from all sources. (existing E6)
- U10b Work with businesses and the community to provide education about the importance and methods of controlling the release of contaminants into storm drains. (Existing E19)
- U12a Cooperate and coordinate with state and federal agencies to the extent possible to minimize illegal discharges into water by both permitted and non-permitted sources. (Existing E21)